

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Cancelled)

2. (Cancelled)

3. (Currently Amended) A composite amplifier having a power amplifying stage comprising an even number of power amplifiers arranged into a plurality of Chireix pairs connected to a common load, further comprising

means for driving at least one Chireix pair by drive signals having amplitude dependent phase over at least a part of the dynamic range of the composite amplifier; and
The amplifier of claim 2, including

means for driving at least two Chireix pairs in outphasing mode over different parts of the dynamic range of the composite amplifier.

4. (Previously Presented) The amplifier of claim 3, including means for driving each Chireix pair in outphasing mode over a different part of the dynamic range of the composite amplifier.

5. (Previously Presented) The amplifier of claim 3, wherein each Chireix pair includes an output network, at least two output networks being comprised by different compensating reactances.

6. (Previously Presented) The amplifier of claim 3, wherein each Chireix pair includes an output network, said output networks all being comprised by different compensating reactances.

7. (Previously Presented) The amplifier of claim 3, wherein each Chireix pair includes an output network formed by transmission lines of different length from each power amplifier in the pair to said common load, the length difference being different for at least two pairs.

8. (Previously Presented) The amplifier of claim 3, wherein each Chireix pair includes an output network formed by transmission lines of different length from each power amplifier in the pair to said common load, the length difference being different for all pairs.

9. (Previously Presented) The amplifier of claim 3, including means for driving at least one Chireix pair with substantially linear current amplitudes above its corresponding outphased part of the dynamic range of the composite amplifier.

10. (Previously Presented) The amplifier of claim 3, including means for driving at least one Chireix pair with substantially linear current amplitudes below its corresponding outphased part of the dynamic range of the composite amplifier.

11. (Previously Presented) A method of driving a composite amplifier including a plurality of Chireix pairs of power amplifiers connected to a common load, said method including driving at least one Chireix pair by drive signals having amplitude dependent phase over at least a part of the dynamic range of the composite amplifier.

12. (Previously Presented) A method of driving a composite amplifier including a plurality of Chireix pairs of power amplifiers connected to a common load, said method comprising

driving at least one Chireix pair by drive signals having amplitude dependent phase over at least a part of the dynamic range of the composite amplifier. The method of claim 10, further including:

driving at least two Chireix pairs in outphasing mode over different parts of the dynamic range of the composite amplifier.

13. (Previously Presented) The method of claim 12, further including driving each Chireix pair in outphasing mode over a different part of the dynamic range of the composite amplifier.

14. (Previously Presented) The method of claim 13, further including driving at least one Chireix pair with substantially linear current amplitudes above its corresponding outphased part of the dynamic range of the composite amplifier.

15. (Previously Presented) The method of claim 13, further including driving at least one Chireix pair with substantially linear current amplitudes below its corresponding outphased part of the dynamic range of the composite amplifier.

16. (Cancelled)

17. (Cancelled)

18. (Previously Presented) A radio terminal comprising a power amplifying stage comprising:

an even number of power amplifiers arranged into a plurality of Chireix pairs connected to a common load;

means for driving at least one Chireix pair by drive signals having amplitude dependent phase over at least a part of the dynamic range of the composite amplifier~~The radio terminal of claim 17, including~~

means for driving at least two Chireix pairs in outphasing mode over different parts of the dynamic range of the composite amplifier.

19. (Previously Presented) The radio terminal of claim 18, including means for driving each Chireix pair in outphasing mode over a different part of the dynamic range of the composite amplifier.

20. (Previously Presented) The radio terminal of claim 17, wherein each Chireix pair includes an output network, at least two output networks being comprised by different compensating reactances.

21. (Previously Presented) The radio terminal of claim 17, wherein each Chireix pair includes an output network, said output networks all being comprised by different compensating reactances.

22. (Previously Presented) The radio terminal of claim 17, wherein each Chireix pair includes an output network formed by transmission lines of different length from each power amplifier in the pair to said common load, the length difference being different for at least two pairs.

23. (Previously Presented) The radio terminal of claim 17, wherein each Chireix pair includes an output network formed by transmission lines of different length from each power amplifier in the pair to said common load, the length difference being different for all pairs.

24. (Previously Presented) The radio terminal of claim 17, including means for driving at least one Chireix pair with substantially linear current amplitudes above its corresponding outphased part of the dynamic range of the composite amplifier.

25. (Previously Presented) The radio terminal of claim 17, including means for driving at least one Chireix pair with substantially linear current amplitudes below its corresponding outphased part of the dynamic range of the composite amplifier.

26. (Previously Presented) The radio terminal of claim 16, wherein said radio terminal is a mobile radio terminal.

27. (Previously Presented) The radio terminal of claim 16, wherein said radio terminal is a base station.